

In the claims:

1. (currently amended) A method for use by ~~an~~ a first access point capable of communicating in a wireless communications network via a radio frequency channel, the method comprising the steps of:

obtaining data indicative of distance to a mobile terminal device that is associated with the first access point on the radio frequency channel;

detecting that a second access point is ~~one or more other access points are~~ also using the radio frequency channel; and

adjusting transmit power as a function of distance to the second access point and distance to the mobile terminal device such that:

if the second access point is nearer to the first access point than the mobile terminal device, setting transmit power based on distance to the mobile terminal device; and

if the second access point is not nearer to the first access point than the mobile terminal device, setting transmit power based on distance to the second access point

~~to in response to said detecting.~~

2. (currently amended) The method of claim 1 wherein the step of detecting further comprises: receiving at least one message ~~messages~~ from the second access point ~~one or more other access points~~; maintaining a table including indications of ~~the~~ transmit power attenuation levels of the second access point ~~respective one or more other access points~~; and wherein the step of adjusting transmit power does so in response to the indications in the table.

3. (currently amended) The method of claim 2 further comprising the step of: transmitting a power backoff level ~~to other wireless devices in the network~~, the power backoff level indicative of the amount by which the first access point's transmit power has been adjusted.

4. (original) The method of claim 3 wherein the wireless communications network is an 802.11 wireless network.

5. (new) The method of claim 1 including the further step of increasing transmit power in response to detecting that the mobile terminal device is in motion.